

**What is claimed is:**

1. A method for winding coils of a D.C. motor, the method comprising:
  - providing a single conducting wire; and
  - winding the single conducting wire around a plurality of pegs in sequence for predetermined turns, thereby forming a stator coil assembly having even coils, a first end, and a second end, each of the coils having a winding direction opposite to that of one said coil adjacent thereto.
2. The method as claimed in claim 1, wherein the step of winding the single conducting wire comprises winding the single conducting wire around the pegs in the same direction, removing the stator coil assembly having even coils from the pegs, and then turning even-numbered coils of the stator coil assembly through 180 such that a winding direction of the even-numbered coils is opposite to that of odd-numbered coils of the stator coil assembly.
3. The method as claimed in claim 1, wherein the step of winding the single conducting wire comprises winding the single conducting wire around the pegs in the same direction, removing the stator coil assembly having even coils from the pegs, and then turning odd-numbered coils of the stator coil assembly through 180 such that a winding direction of the odd-numbered coils is opposite to that of even-numbered coils of the stator coil assembly.
4. A D.C. motor comprising:
  - a casing comprising a chamber, the chamber having a support section in a bottom thereof, an IC control means being mounted on the casing, a stator coil assembly being mounted on

1 the casing and comprising even coils formed by means of  
 2 continuously winding a single conducting wire in a manner that  
 3 each of the coils has a winding direction opposite to that of one  
 4 said coil adjacent thereto; and

5 a rotor comprising a shaft rotatably held in the support  
 6 section of the casing, the rotor comprising a permanent magnet  
 7 having north and south poles, the rotor being repulsed and thus  
 8 driven to turn by magnetic fields created by the coils of the stator  
 9 coil assembly on the casing.

- 10 5. The D.C. motor as claimed in claim 4, wherein the casing
- 11 comprises even mounting members provided on a wall defining
- 12 the chamber for mounting the coils, respectively.
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